

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

Titanova Incorporated

Missouri Enterprise

Titanova Incorporated Meets Customer Needs

Client Profile:

Titanova Incorporated provides contract manufacturing services utilizing laser diodes. The company provides a full range of material processing solutions using diode lasers (the smallest, most efficient lasers available) including Laser Heat Treating, Laser Cladding, Laser Conduction Mode Welding and Laser Brazing. Titanova employs 5 people at its facility in Bridgeton, Missouri.

Situation:

Titanova lacked the on-staff engineering design capacity to meet the day-to-day challenges of reacting quickly to varied customer requirements. The company sought out Missouri Enterprise to serve on their design team on an as-needed basis.

Solution:

Missouri Enterprise worked with Titanova laser experts using the latest in 3D CAD modeling software to help create parts and processes to enhance proprietary Titanova equipment. Missouri Enterprise helped to completely redesign a powder feeder for cladding small surfaces in confined quarters; modify cooling methods used on smaller lasers; and design a new heat treating fixture to be used with a high volume customer and an automated heat treating assembly tool for a treaded shaft. Titanova gained the services of an experienced Missouri Enterprise design engineer without the expense of a full time designer. This enabled the company to invest its profits in more critical need areas.

Results:

- * Increased/retained sales of \$500,000.
- * Realized \$100,000 in cost savings.
- * Invested \$150,000 in equipment.
- * Created/retained 3 jobs.

Testimonial:

"Having a resource like Missouri Enterprise significantly enhanced our ability to meet our customers' needs and be competitive. We very much appreciate their availability, affordability and reliability and especially the highly professional manner in which they worked with us."

John Haake, President